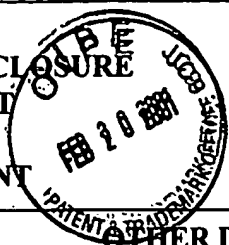
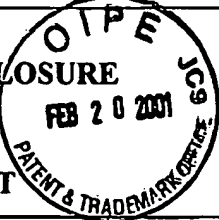


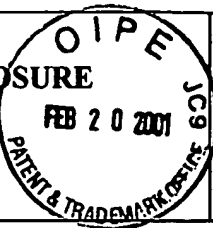
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|--|--|------------|----------|----------------------|----------|-----------------------------------|-------|
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT | | | | Docket: 4239-54279 | | App: 09/595,580 | |
| | | | | Applicant: Dougherty | | | |
| | | | | Filed: June 15, 2000 | | Art Unit: 2857 1631 | |
| U.S. PATENT DOCUMENTS | | | | | | | |
| Init.* | | Number | Date | Name | Class | Sub | Filed |
| LAC | | 5,708,591 | 1/13/98 | Givens et al. | | | |
| | | 5,769,074 | 6/23/98 | Barnhill et al. | | | |
| | | 6,025,128 | 2/15/00 | Veltri et al. | | | |
| | | 6,040,138 | 3/21/00 | Lockhart et al. | | | |
| | | 5,968,784 | 10/19/99 | Spinella et al. | | | |
| V LAC | | 6,059,561 | 5/9/00 | Becker | | | |
| U.S. PATENT APPLICATIONS | | | | | | | |
| | | Number | Date | Name | Art Unit | | |
| LAC | | 09/407,021 | 09/28/99 | Chen et al. | 1631 | | |
| | | | | | | | |
| OTHER DOCUMENTS | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| EXAMINER: <i>Lee A. Clev</i> | | | | DATE <i>8/30/01</i> | | | |
| *Examiner: Initial if considered, whether or not in conformance with MPEP 60; draw line through cite if not in conformance and not considered. Send copy. | | | | | | | |

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|---|--|--|---|--------------------------------|
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT | | | Docket: 4239-54279 | App: 09/595,580 |
| | | | Applicant: Dougherty | |
| | | | Filed: June 15, 2000 | Art Unit: 2857 /63/ |
| OTHER DOCUMENTS | | | | |
| LAC | | | Michaels et al., "Cluster Analysis and Data Visualization of Large-Scale Gene Expression Data," <i>Pacific Symposium on Biocomputing</i> Vol. 3, pp. 42-53, 1998. | |
| | | | Liang, "Reveal, A General Reverse Engineering Algorithm for Inference of Genetic Network Architectures," <i>Pacific Symposium on Biocomputing</i> Vol. 3, pp. 18-29, 1998. | |
| | | | Zhang et al., "Synthesis of Sigma-Pi Neural Networks by the Breeder Genetic Programming," <i>Proc. of Int. Conf. on Evolutionary Computation, IEEE</i> , pp. 318-323, 1994. | |
| | | | Frenkel, "The Human Genome Project and Informatics," <i>Communications of the ACM</i> , Vol. 34, No. 11, November 1991. | |
| | | | Manly, <i>Multivariate Statistical Methods</i> , Chapman and Hall Ltd., pp. 1-109, 1986. | |
| LAC | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| EXAMINER: <i>Lee J. Chan</i> | | | DATE: <i>8/30/01</i> | |
| *Examiner: Initial if considered, whether or not in conformance with MPEP 60; draw line through cite if not in conformance and not considered. Send copy. | | | | |



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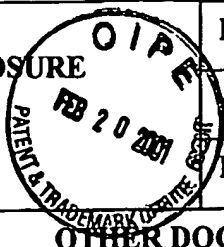
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|---|--|--|---|--|-----------------------------------|-----------------|
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT | | |  | | Docket: 4239-54279 | App: 09/595,580 |
| | | | | | Applicant: Dougherty | |
| | | | Filed: June 15, 2000 | | Art Unit: 2857 1631 | |
| OTHER DOCUMENTS | | | | | | |
| LAc | | | | Dougherty, <i>Random Processes for Image and Signal Processing</i> , SPIE Optical Engineering Press, pp. 451-481, 1999. | | |
| | | | | Dougherty (ed.), <i>Nonlinear Filters for Image Processing</i> , SPIE Optical Engineering Press, pp. 61-98, 1999. | | |
| | | | | Buhler, "Anatomy of a Comparative Gene Expression Study," http://www.cs.washington.edu/homes/jbuhler/research/array/ , pp. 1-8, last update March 24, 2000. | | |
| | | | | Chen et al., "Ratio-Based Decisions and the Quantitative Analysis of cDNA Microarray Images," <i>J. Biomed. Optics</i> Vol. 2, pp. 364-374, October 1997. | | |
| | | | | D'haeseleer et al., "Mining the Gene Expression Matrix: Inferring Gene Relationships from Large Scale Gene Expression Data," <i>Information Processing in Cells and Tissues</i> , Paton et al. (eds.), Plenum Publishing, pp. 203-212, 1998. | | |
| | | | | DeRisi et al., "Use of a cDNA Microarray to Analyse Gene Expression Patterns in Human Cancer," <i>Nature Genetics</i> Vol. 14, pp. 457-460, December 1996. | | |
| | | | | Schena et al., "Parallel Human Genome Analysis: Microarray-Based Expression Monitoring of 1000 Genes," <i>Proc. Natl. Acad. Sci., USA</i> Vol. 93, pp. 10614-10619, October 1996. | | |
| | | | | Dougherty et al., "Digital Measurement of Gene Expression in a cDNA Micro-Array," <i>SPIE</i> Vol. 3034, pp. 68-72, February 1997. | | |
| ✓ LAc | | | | Zhou et al., <i>Microarray Biochip Technology</i> , BioTechniques Books, Schena (ed.), pp. 167-200, May 2000. | | |
| EXAMINER: <i>Lu J. Chen</i> | | | | DATE: 8/30/05 | | |
| *Examiner: Initial if considered, whether or not in conformance with MPEP 60; draw line through cite if not in conformance and not considered. Send copy. | | | | | | |

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|---|--|---|---|--|
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT | |  | Docket: 4239-54279 | App: 09/595,580 |
| | | | Applicant: Dougherty | |
| | | | Filed: June 15, 2000 | Art Unit: 2857 1631 |
| OTHER DOCUMENTS | | | | |
| Use Use | | | Baldi et al., <i>Bioinformatics: The Machine Learning Approach</i> , MIT Press, pp. 91-105, 1999. | FEB 26 2001 TECH CENTER 1600/2900 FEB 26 2001 TECH CENTER 1600/2900 |
| | | | Baldi et al., <i>Bioinformatics: The Machine Learning Approach</i> , MIT Press, pp. 105-141, 1999. | |
| | | | Devroye et al., <i>A Probabilistic Theory of Pattern Recognition</i> , pp. 507-547, 1999. | |
| | | | Jordan, <i>The Computer Science Engineering Handbook</i> , Tucker (ed.), CRC Press, 536-556, 1997. | |
| | | | sci.nonlinear FAQ, <i>About Sci.nonlinear FAQ and Basic Theory</i> available at http://www.enm.bris.ac.uk/research/nonlinear/faq.html , May 1999. | |
| | | | Schena et al., "Quantitative Monitoring of Gene Expression Patterns with a Complementary DNA Microarray," <i>Science</i> Vol. 270, pp. 467-470, October 20, 1995. | |
| | | | D'Haeseleer et al., "Linear Modeling of mRNA Expression Levels During DNA Development and Injury," <i>Pac. Symp. Biocomput.</i> , pp. 41-52, 1999. | |
| | | | Eisen et al., "Cluster Analysis and Display of Genome-Wide Expression Patterns," <i>Proc. Natl. Acad. Sci. USA</i> Vol. 95, pp. 14863-14868, December 1998. | |
| | | Eissa et al., "Multivariate Analysis of DNA Ploidy, p53, c-erbB-2 Proteins, EGFR, and Steroid Hormone Receptors for Prediction of Poor Short Term Prognosis in Breast Cancer," <i>Anticancer Res.</i> Vol. 17, pp. 1417-1424, 1997. | | |
| EXAMINER: <i>Lee J. (L)</i> | | | DATE 8/30/01 | |
| *Examiner: Initial if considered, whether or not in conformance with MPEP 60; draw line through cite if not in conformance and not considered. Send copy. | | | | |

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|--|--|--|---|-----------------|
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT | | | Docket: 4239-54279 | App: 09/595,580 |
| | | | Applicant: Dougherty | |
| | | | Filed: June 15, 2000 | Art Unit: 2857 |
| OTHER DOCUMENTS | | | | |
| LAC | | | Marchevsky et al., "Reasoning with Uncertainty in Pathology: Artificial Neural Networks and Logistic Regression as Tools for Prediction of Lymph Node Status in Breast Cancer Patients," <i>Mod. Pathol.</i> Vol. 12, No. 5, pp. 505-513, 1999. | |
| | | | Shimizu et al., "Bioprocess Fault Detection by Nonlinear Multivariate Analysis: Application of an Artificial Autoassociative Neural Network and Wavelet Filter Bank," <i>Biotechnol. Prog.</i> Vol. 14, pp. 79-87, 1998. | |
| | | | Spellman et al., "Comprehensive Identification of Cell-Cycle-Regulated Genes of the Yeast <i>Saccharomyces cerevisiae</i> by Microarray Hybridization," <i>Mol. Biol. Cell</i> Vol. 9, pp. 3273-3297, December 1998. | |
| | | | Spyratos et al., "Multiparametric Prognostic Evaluation of Biological Factors in Primary Breast Cancer," <i>J. Natl. Cancer Inst.</i> Vol. 84, pp. 1266-1272, 1992. | |
| | | | Tavozic et al., "Systematic Determination of Genetic Network Architecture," <i>Nature Genetics</i> Vol. 22, pp. 281-285, July 1999. | |
| ↓ LAC | | | Kingsbury, "Computational Biology," <i>The Computer Science and Engineering Handbook</i> , Tucker (ed.), CRC Press, pp. 959-975, 1997. | |
| | | | | |
| | | | | |
| | | | | |
| EXAMINER: <i>David A. Clew</i> | | | DATE: 8/30/01 | |
| *Examiner: Initial if considered, whether or not in conformance with MPEP 60; draw line through cite if not in conformance and not considered. Send copy. | | | | |



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